

## SPECIAL MEETING OF THE IDAHO STATE ELECTRICAL BOARD

Division of Building Safety, Electrical Bureau  
"Board Room"  
1090 East Watertower Street  
Meridian, Idaho 83642  
(208) 334-2183

Monday, December 8, 2003

### MINUTES

*Note: The following report is not intended to be a verbatim transcript of the discussions at the meeting, but is intended to record the significant features of those discussions.*

The Idaho State Electrical Board held a special meeting via a telephone conference on Monday, December 8, 2003. The following individuals were present:

#### ELECTRICAL BOARD

MEMBERS: Stephen L Keys, Chairman  
Mark Nielsen  
Dale Pippitt  
Tom Brown  
Al Frieze  
Lee Riley

#### POCATELLO

Sherman L. Akers  
Gregory Ford

#### BLACKFOOT

Chris Jensen

#### ELECTRICAL BUREAU STAFF

Dave Munroe, Administrator  
Gary Malmen, Electrical Bureau Chief  
Kim McDonald, Electrical Administrative Assistant  
Al Caine, Electrical Licensing Supervisor/Office Supervisor  
Jeff Fitzloff, Electrical Inspection Supervisor  
Stephanie Franks, Electrical Region #2 Supervisor

#### VISITORS

Bob Scott, Quality Electric  
Daron Beesley, Idaho Power  
Theron Newbolt, Graybar  
Marc Bernsen, SW Idaho JATC  
Jeff Cates, Idaho Chapter NECA  
Aaron White, IBEW Local #291  
Jim Weimer, Eastern Idaho JATC

Chairman Keys called the meeting to order at 10:00 a.m., asked every one to introduce themselves, and gave a synopsis of the Disconnects for Light Pole conclusion from the last regular Board meeting on Thursday, November 6, 2003. The Board voted to immediately accept fuses and fuse holders within light poles as an acceptable disconnecting device, (the way in which electrical service can be disconnected from light poles). The Board's position was that the 2002 NEC's requirement allows the disconnecting device to be located remotely, or on the pole. When located on the pole it could pose a hazard (damage by vandalism, lawn mowers, etc.), and is a safety concern to the public and industry; therefore, it is not a suitable method for disconnecting the electrical service from the pole. The Board proposed that fuses be allowed in the interim, until a workable solution with the code is provided. Thus giving the Bureau time to research what other states are doing, other code panels, and what options can be taken to comply with the NEC for identification and guidelines.

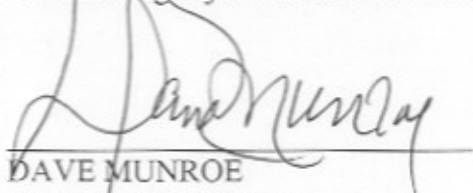
Chairman Keys stated the Board was called today to discuss and set parameters and guidelines for installing internal fuses within light poles, during the interim. The Electrical Bureau had previously provided a copy of the November 6, 2003 draft Board Minutes, a copy of the letter dated November 7, 2003 from Jeff Cates, Idaho Chapter NECA addressing contractors Signatory to LU291 & LU449 regarding Light Pole Installations, a Guidance Item listing of the issues needing addressed by the Board members for Clarification and pictures (Attachment A, pages 1 through 6). Also enclosed are attachments provided by Board members as handouts. *(Attachment B, pages 1 through 7-supplied by Tom Brown, Attachment C, pages 1 through 5-supplied by Sherm Akers and Attachment D, page 1-supplied by Chairman Keys).*

After review of the supplied information and quite a bit of discussion, the Board voted for an approval to draft language as an administrative rule, incorporating a new sub-section within IDAPA 07.01.06.011.01(d.). Mr. Mark Nielson made a motion to incorporate the handout provided by Chairman Keys, the language as a promulgated Temporary Emergency Rule, primarily for subdivision light poles. The motion was seconded by Mr. Tom Brown and was passed by the Board, unanimously.

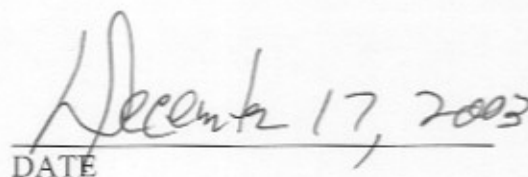
After more discussion by the Board, the following language incorporated additional changes, (d.) A pole (40' nominal height or less), supporting only luminaires, (4 or fewer) operating at a nominal voltage of 300 volts or less, shall not be considered as a structure as defined by the National Electrical Code (NEC). Therefore, no service disconnecting means shall be required. Overcurrent protection for wiring within the pole and fixtures (luminaires) mounted to the pole shall be provided by Bussman KTK fast-acting (200KAIC) or equivalent mounted in separable (break-a-way) fuse holders equivalent to the Bussman HEB series with a 600 volt rating. (Editors Note: for 208-240 volt installations, the fuse holders require Bussmann HEY Series, double-pole or equivalent). The fuse holder shall be located within the pole itself, and accessible from the handhole. Any poles supporting or incorporating utilization equipment other than luminaires, and other poles supporting luminaires shall be considered as structures, and an appropriate service disconnecting means shall be required (per the NEC). All luminaire-supporting poles shall be appropriately grounded (and bonded per the NEC). Mr. Malmen recommended a permanent warning label be attached to the pole, to identify to individuals that may work on the pole that the conductors serving the fuseholders are unfused service conductors and could pose a safety issue. It was suggested all poles supporting luminaires, shall indicate by a permanent warning label to read: Wiring to pole is un-fused, service entrance conductors enclosed within. Mr. Dale Pippitt made an amended motion to incorporate these changes. This motion was seconded by Mr. Al Frieze and was passed by the Board, unanimously.

Chairman Keys asked for any other questions, in hearing none, he thanked everyone for coming. Mr. Malmen thanked the Board for setting guidelines for luminaire poles. This assists the Bureau for installations and inspections being defined, so the Bureau is able to inform the Industry.

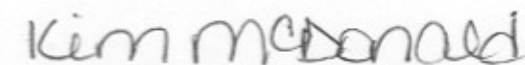
The meeting adjourned at 11:25 a.m.



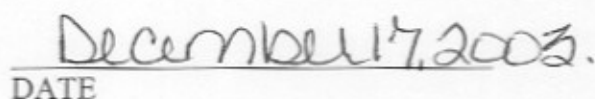
DAVE MUNROE  
Secretary of the Board



DATE



KIM MCDONALD  
Minutes Recorder



DATE